**APLIKASI PENCARIAN LOKASI WISATA DI KOTA BANDA ACEH BERBASIS ADROID MENGGUNAKAN**

**HAVERSINE FORMULA**

**ABSTRACT**

*Banda aceh is not only as a capital of Nanggroe aceh Darussalam province but also as the center of development and civilization of islam in the past. This historic city has several tourism attractions spread over several points. The attraction has its own characteristics and historical value such as Taman Putroe Phang as a historical park which is a relic of the kingdom of Sultan Bolkiah also Museum Aceh that collect a lot of collections that value of art and culture then Mesjid Raya Baiturrahman which has famous around the world because of its religious nature and luxurious architecture, the distribution of the tourisme attractions are a little complicated since most of the attractions have not been exposed to the media, so an application that can display the location, distance and route that must be passed to get to the location of tourist destination is needed. This research aims to design a smartphone based application with android operating system that can display the location of the attraction point in the city of Banda Aceh from the nearest to the farthest from the user’s point position by using these technology are Google Maps, Global Positioning System(GPS), Location Based Service (LBS) and Haversine Formula.*

***Keyword* :** *Location*, GPS,LBS, *Haversine Formula, Latitude, Longitude*